

Title 33

ENVIRONMENTAL QUALITY

Part III. Air

Chapter 7. Ambient Air Quality

§711. Tables 1, 1a, 2—Air Quality

A. Table 1. Primary Ambient Air Quality Standards

Table 1. Primary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
PM ₁₀	150 µg/m ³	(Maximum 24-hour concentration not to be exceeded more than once per year)
PM _{2.5}	15.0 µg/m³ 12 µg/m ³	(Annual arithmetic mean, averaged over 3 years) <u>The standard is met when the annual arithmetic mean concentration, as determined in accordance with appendix N of 40 CFR Part 50 is less than or equal to 12 µg/m³.</u>
	35 µg/m ³	(24-hour, averaged over 3 years) <u>The standard is met when the 98th percentile 24-hour concentration, as determined in accordance with Appendix N of 40 CFR Part 50 is less than or equal to 35 µg/m³.</u>
Sulfur Dioxide (SO ₂)	80 µg/m³ 75 ppb daily maximum 1-hour concentration	or 0.03 ppm (Annual arithmetic mean) <u>The standard is met at an ambient air monitoring site when the 3-year average of the annual 99th percentile of the daily maximum 1-hour average concentration is less than or equal to 75 ppb, as determined in accordance with 40 CFR Part 50 appendix T.</u>
	365 µg/m ³	or 0.14 ppm (Maximum 24-hour concentration not to be exceeded more than once per year)
Carbon Monoxide (CO)	10,000 µg/m ³	or 9 ppm (Maximum 8-hour concentration not to be exceeded more than once per year)
	40,000 µg/m ³	or 35 ppm (Maximum 1-hour concentration not to be exceeded more than once per year)

Table 1. Primary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
Ozone	0.080.075 ppm daily maximum 8-hour average	The standard is met at an ambient air monitoring site when the 3-year average of the annual fourth highest daily maximum 8-hour average ozone concentrations is less than or equal to 0.080.075 ppm, as determined in accordance with 40 CFR Part 50, <u>a</u> Appendix <u>IP</u> .
Nitrogen Dioxide (NO ₂)	53 ppb	0.05 ppm (Annual arithmetic mean) <u>The Standard is met when the annual arithmetic mean is less than or equal to 53 ppb, as determined in accordance with 40 CFR Part 50, appendix S.</u>
	100 $\mu\text{g}/\text{m}^3$ ppb	<u>(1-hour average concentration) The standard is met when the 3-year average of the annual 98th percentile of the daily maximum 1-hour average concentration is less than or equal to 100 ppb, as determined in accordance with 40 CFR Part 50, appendix S.</u>
Lead	4.5 0.15 $\mu\text{g}/\text{m}^3$	<u>(3-month rolling average) (Maximum arithmetic mean averaged over a calendar quarter) The standard is met when the maximum arithmetic 3-month mean concentration for a 3-year period, as determined in accordance with appendix R of 40 CFR Part 50 is less than or equal to 0.15 $\mu\text{g}/\text{m}^3$.</u>

A.1. – 2. ...

B. Table 1a. Secondary Ambient Air Quality Standards

Table 1a. Secondary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
PM ₁₀	150 $\mu\text{g}/\text{m}^3$	(Maximum 24-hour concentration not to be exceeded more than once per year)
Sulfur Dioxide (SO ₂)	4,300 $\mu\text{g}/\text{m}^3$ 0.5 ppm	(Maximum 3-hour average concentration not to be exceeded more than once per year)

Table 1a. Secondary Ambient Air Quality Standards		
Air Contaminant	Maximum Permissible Concentration	
PM _{2.5}	15.0 µg/m ³	(Annual arithmetic mean, averaged over 3 years) <u>The standard is met when the annual arithmetic mean concentration, as determined in accordance with appendix N of 40 CFR Part 50 is less than or equal to 15 µg/m³.</u>
	35 µg/m ³	(24-hour, averaged over 3 years) <u>The standard is met when the 98th percentile 24-hour concentration, as determined in accordance with appendix N of 40 CFR Part 50 is less than or equal to 35 µg/m³.</u>
Carbon Monoxide (CO)	10,000 µg/m ³	or 9 ppm (Maximum 8-hour concentration not to be exceeded more than once per year)
	40,000 µg/m ³	or 35 ppm (Maximum 1-hour concentration not to be exceeded more than once per year)
Ozone	0.080 <u>0.075</u> ppm daily maximum 8-hour average	The standard is met at an ambient air monitoring site when the 3-year average of the annual fourth highest daily maximum 8-hour average ozone concentrations is less than or equal to 0.080 <u>0.075</u> ppm, as determined in accordance with 40 CFR Part 50, a-Appendix H.
Nitrogen Dioxide (NO ₂)	100 µg/m ³	(0.050 <u>0.053</u> ppm) (Annual arithmetic mean) <u>The Standard is met when the annual arithmetic mean concentration in a calendar year is less than or equal to 0.053 ppm.</u>
Lead	4.5 <u>0.15</u> µg/m ³	<u>(3-month rolling average) (Maximum arithmetic mean averaged over a calendar quarter) The standard is met when the maximum arithmetic 3-month mean concentration for a 3-year period, as determined in accordance with appendix R of 40 CFR Part 50 is less than 0.15 µg/m³.</u>

B.1. – 2 ...

C. Table 2. Ambient Air – Methods of Contaminant Measurement

Table 2. Ambient Air—Methods of Contaminant Measurement		
Air Contaminant	Sampling Interval	Analytical Method
PM ₁₀	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, appendix J.
PM _{2.5}	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, appendix L. Reference method based on appendix L to 40 CFR Part 50 and designated in accordance with 40 CFR Part 53 or an equivalent method designated in accordance with 40 CFR Part 53.
Sulfur Dioxide	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, appendix A-Reference method based on appendix A-1 or A-2 to 40 CFR Part 50 or an equivalent method designated in accordance with 40 CFR Part 53.
	Continuous	Any method complying with reference or equivalent methods in Title 40, Code of Federal Regulations, Part 53, Subpart B-Reference method based on appendix A-1 or A-2 to 40 CFR Part 50 or an equivalent method designated in accordance with 40 CFR Part 53.
Total Oxidants	Continuous	Any method complying with reference or equivalent methods in Title 40, Code of Federal Regulations, Part 50, appendix D, and Part 53, Subpart B-Reference method based on appendix D to 40 CFR Part 50 and designated in accordance with 40 CFR Part 53 or an equivalent method designated in accordance with 40 CFR Part 53.
Carbon Monoxide	Continuous	Any method complying with reference or equivalent methods in Title 40, Code of Federal Regulations, Part 50, appendix C, and Part 53, Subpart B.

Air Contaminant	Sampling Interval	Analytical Method
Nitrogen Dioxide	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, appendix F. Reference method based on appendix F to 40 CFR Part 50 or an equivalent method designated in accordance with 40 CFR Part 53.
Lead	24 hours	Any method complying with reference method in Title 40, Code of Federal Regulations, Part 50, appendix G. Reference method based on appendix G to 40 CFR Part 50 or an equivalent method designated in accordance with 40 CFR Part 53.

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Chapter 9. General Regulations on Control of Emissions and Emission Standards

§918. Nonattainment Areas and Adjoining Parishes List

A. ...

B. Table 1. – Table 5. ...

Sulfur Dioxide (SO₂) Nonattainment Areas and Adjoining Parishes	
Parish Code	Nonattainment Parish(es)
2500	NoneSt. Bernard
Parish Code	Adjoining Parishes to Nonattainment Areas
2140, 2240	NoneOrleans and Plaquemines

AUTHORITY NOTE: Promulgated in accordance with R.S. 30:2054.

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26:2450 (November 2000), LR 29:2776 (December 2003), amended by the Office of the Secretary, Legal Affairs Division, LR 31:2438 (October 2005), LR 33:2083 (October 2007), LR 37:3221 (November 2011), amended by the Office of the Secretary, Legal Division, LR 40:**.